Author Index of Volume 150

Biographic notes about authors concerned can be found on p. 389.

Aksyonov, A., 303
Allsop, M. J., 289

Bahadur, S., 343
Bartz, W. J., 231
Bayer, R. G., 67
Biswas, S. K., 267
Blucher, J. T., 21

Calboreanu, G., 315
Caughlin, T. A., 247
Cheng, H. S., 275

Dmytrychenko, N., 303

Evseev, D. G., 79

Factor, A., 41

Geng, G. Q., 89, 107, 125
Göcke, A., 11
Gohar, R., 303
Greenwood, J. A., 153
Grigoriyan, G. G., 79

Habeeb, J. J., 247
Haruyama, Y., 177
Hirvonen, J.-P., 259
Höhne, L., 195
Hou, K., 1
Hou, P. Y., 89
Hwu, C.-J., 203

Ikeuchi, K., 177
Iwai, Y., 367

Jervis, T. R., 259

Kalker, J. J., 355
Karamiş, M. B., 331
Keiser, J., 135
Kley, G., 195

Levy, A. V., 89, 107, 125, 135
Li, X., 59
Liu, J., 59

Mathias, M., 11
Matsumoto, Y., 177
McI. Clark, H., 217
Medvedev, B. M., 79
Mirageas, J., 21
Miranda, P. M., 41
Mori, H., 177, 367

Nayeb-Hashemi, H., 21

Ohsumi, T., 177
Okada, T., 367
Ovaert, T. C., 275

Payne, N. G., 67
Pohl, M., 11

Rao, M., 135

Sheasby, J. S., 247
Shih, Y.-D., 169
Smith, G. T., 289
Stolarski, T. A., 159

Ullner, C., 195

Vijayan, K., 267

Wan, G., 303
Wang, B. Q., 89, 107, 125, 135
Wang, Y., 59
Wen, S., 1
Weng, C.-I., 203

Xu, J., 231

Yang, J.-Y., 169

Zhou, J., 343

1991 — Elsevier Sequoia, Lausanne

Subject Index of Volume 150

Abrasion
crack initiation threshold as a parameter for characterizing fused alumina abrasive grains, 195
Alumina ceramics
effect of material composition and operational variables on the erosion of alumina ceramics, 343
Aluminium
friction and wear behavior of aluminum–graphite composites as a function of interface and fiber direction, 21
Antimony thioantimonate
wear behaviour and failure mechanism of bonded solid lubricants, 231
Antiwear activity
observation of the antiwear activity of zinc dialkyldithiophosphate additives, 247

Bonded films
wear behaviour and failure mechanism of bonded solid lubricants, 231
Boundary lubricant selection
quantitative criteria for boundary lubricant selection, 159
Bubble collapse pressures
study of cavitation bubble collapse pressures and erosion. Part 3: the results in a venturi facility, 367

Carbon
counterface topographical effects on the wear of polyetheretherketone and a polyetheretherketone–carbon fiber composite, 275
Carbon steel
effect of the composition of fluidized bed combustor bed materials on the erosion–corrosion of carbon steel, 125
Casing steels
comparison of the erosion rate of casing steels by sand–oil suspension, 217
Cavitation
study of cavitation bubble collapse pressures and erosion. Part 3: the results in a venturi facility, 367
residual stress, texture and surface changes in steel induced by cavitation, 11
Cemented carbide
study on dry friction of eutectoid steel, 59
Compensating elements
characteristics of a hydrostatic bearing with a controlled compensating element, 177
Contact interaction
modification of the elastic–plastic model for the contact of rough surfaces, 79
Corrosion
effect of additional silicon on the corrosion and erosion–corrosion of low chromium steels, 89
Crack initiation threshold
crack initiation threshold as a parameter for characterizing fused alumina abrasive grains, 195
Crystallography
wear of polytetrafluoroethylene: some crystallographic observations, 267

Dry friction
study on dry friction of eutectoid steel, 59

Elastic–plastic model
modification of the elastic–plastic model for the contact of rough surfaces, 79
Elastohydrodynamic lubrication
elastohydrodynamic lubrication of piston rings, 203
elastohydrodynamic lubrication of line contacts, 303

Elastomers
friction and wear tests for elastomers, 67

Erosion
study of cavitation bubble collapse pressures and erosion. Part 3: the results in a venturi facility, 367
effect of material composition and operational variables on the erosion of alumina ceramics, 343
Erosion rate
comparison of the erosion rate of casing steels by sand–oil suspension, 217
Erosion–corrosion
effect of additional silicon on the corrosion and erosion–corrosion of low chromium steels, 89
effect of the composition of fluidized bed combustor bed materials on the erosion–corrosion of carbon steel, 125
erosivity of particles from operating fluidized bed combustors, 107
mechanical behavior of erosion–corrosion scales on steel as characterized by single-particle impacts, 135
Eutectoid steel
study on dry friction of eutectoid steel, 59
External pressurization
effects of velocity slip on externally pressurized gas porous thrust bearings, 169

Fibre composites
counterface topographical effects on the wear of polyetheretherketone and a polyetheretherketone–carbon fiber composite, 275
friction and wear behavior of aluminum–graphite composites as a function of interface and fiber direction, 21
Film thickness
elastohydrodynamic lubrication of line contacts, 303
Flanging
simulation of the development of a railway wheel profile through wear, 355
Flash temperatures
interpolation formula for flash temperatures, 153
Flow control
characteristics of a hydrostatic bearing with a controlled compensating element, 177
Fluid bed combustors
effects of the composition of fluidized bed combustor bed materials on the erosion–corrosion of carbon steel, 125
erosivity of particles from operating fluidized bed combustors, 107
Friction
friction and wear behavior of aluminum–graphite composites as a function of interface and fiber direction, 21
friction and wear tests for elastomers, 67
Friction coefficient
study on dry friction of eutectoid steel, 59
Fused alumina
crack initiation threshold as a parameter for characterizing fused alumina abrasive grains, 195

Gas porous bearings
effects of velocity slip on externally pressurized gas porous thrust bearings, 169
Graphite
friction and wear behavior of aluminum–graphite composites as a function of interface and fiber direction, 21

Hot-working steels
investigation of the properties and wear behaviour of plasma-nitrided hot-working steel (H13), 331
Hydrostatic bearing
characteristics of a hydrostatic bearing with a controlled compensating element, 177

Impact damage
influence of target hardness on impact damage of shot, 315

Laser surface treatment
tribology and surface mechanical properties of the oxide film formed by excimer laser surface treatment of AISI 304 stainless steel, 259
Line contacts
elastohydrodynamic lubrication of line contacts, 303

Low chromium steels
effect of additional silicon on the corrosion and erosion–corrosion of low chromium steels, 89
Lubrication
investigation of the mechanism of the R12–oil–steel reaction, 41
elastohydrodynamic lubrication of piston rings, 203
observation of the antiwear activity of zinc dialkyldithiophosphate additives, 247
quantitative criteria for boundary lubricant selection, 159

Metal wastage
erosivity of particles from operating fluidized bed combustors, 107

Oxide film
tribology and surface mechanical properties of the oxide film formed by excimer laser surface treatment of AISI 304 stainless steel, 259

Piston rings
elastohydrodynamic lubrication of piston rings, 203
Plasma-nitriding
investigation of the properties and wear behaviour of plasma-nitrided hot-working steel (H13), 331
Point contacts
analysis of maximum temperature for thermo-elastohydrodynamic lubrication in point contacts, 1
Polyetherketone
counterface topographical effects on the wear of polyetheretherketone and a polyetheretherketone–carbon fiber composite, 275
Polytetrafluoroethylene
wear of polytetrafluoroethylene: some crystallographic observations, 267
Powder metallurgy
some aspects in the surface integrity associated with turning of powder metallurgy compacts, 289

Railway wheels
simulation of the development of a railway wheel profile through wear, 355
Refrigeration
investigation of the mechanism of the R12–oil–steel reaction, 41

Residual stress texture
the residual stress, texture and surface changes in steel induced by cavitation, 11
Rough surfaces
modification of the elastic–plastic model for the contact of rough surfaces, 79

Sand–oil suspension
comparison of the erosion rate of casing steels by sand–oil suspension, 217
Shot
influence of target hardness on impact damage of shot, 315
Silicon
the effect of additional silicon on the corrosion and erosion–corrosion of low chromium steels, 89
Single-particle impacts
mechanical behavior of erosion–corrosion scales on steel as characterized by single-particle impacts, 135
Sliding
counterface topographical effects on the wear of polyetheretherketone and a polyetheretherketone–carbon fiber composite, 275
wear of polytetrafluoroethylene: some crystallographic observations, 267
Solid lubricants
wear behaviour and failure mechanism of bonded solid lubricants, 231
Steel
comparison of the erosion rate of casing steels by sand–oil suspension, 217
effect of additional silicon on the corrosion and erosion–corrosion of low chromium steels, 89
effect of the composition of fluidized bed combustor bed materials on the erosion–corrosion of carbon steel, 125
erosivity of particles from operating fluidized bed combustors, 107
investigation of the properties and wear behaviour of plasma-nitrided hot-working steel (H13), 331
mechanical behavior of erosion–corrosion scales on steel as characterized by single-particle impacts, 135

residual stress, texture and surface changes in steel induced by cavitation, 11
study on dry friction of eutectoid steel, 59
tribology and surface mechanical properties of the oxide film formed by excimer laser surface treatment of AISI 304 stainless steel, 259
Surface hardness
tribology and surface mechanical properties of the oxide film formed by excimer laser surface treatment of AISI 304 stainless steel, 259
Surface integrity
some aspects in the surface integrity associated with turning of powder metallurgy compacts, 289
Surface temperature rise
interpolation formula for flash temperatures, 153

Target hardness
influence of target hardness on impact damage of shot, 315
Thermo-elastohydrodynamic lubrication
analysis of maximum temperature for thermo-elastohydrodynamic lubrication in point contacts, 1
Tribological properties
tribology and surface mechanical properties of the oxide film formed by excimer laser surface treatment of AISI 304 stainless steel, 259

Velocity slip
effects of velocity slip on externally pressurized gas porous thrust bearings, 169
Venturi facility
study of cavitation bubble collapse pressures and erosion. Part 3: the results in a venturi facility, 367

Wear
simulation of the development of a railway wheel profile through wear, 355

Zinc dialkyldithiophosphate
observation of the antiwear activity of zinc dialkyldithiophosphate additives, 247